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I, LEANNE MYNOTT, TEAM LEADER EXAMINATION SUPPORT AND SALES hereby certify that annexed is a true copy of the Provisional specification in connection with Application No. PQ2473 for a patent by GEOFFREY SYDNEY STOTT and CHRISTINE ANN STOTT filed on 27 August 1999.

WITNESS my hand this
Sixth day of October 2000

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TEAM LEADER EXAMINATION
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PRIORITY DOCUMENT
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AUSTRALIAN
Patents Act 1990

Specification for a Provisional Patent Application

A BRUSH TO FIT WHIPPER SNIPPERS

The following statement is a full description of this invention, including the best method of performing it known to me.

The invention is described in the following statement.

This invention relates to a new "BRUSH" that attaches to, Whipper Snippers of different types to assist anyone wanting to clean a surface that is moldy, stained,greasey or oily.

For many people the lack of a simple rotating tool to take the energy wasted out of cleaning. This new product will help and assist them if they own or hire a whipper snipper to drive this new invention.

To my knowledge there is no device like this invention that fit's this type of mechanical machine.

For the user all they have to do, is remove the original head that cuts the grass by means of unscrewing the securing nut, then attaching our new invented "Brush" into place and by using the original nut secure the new "BRUSH".

To assist with understanding this invention, reference will now be made to the accompanying drawing's.

In the drawing's.

Fig 1 Show's the 3 component's of the invention.

Fig 2 Show's the top elevation of Fig 1b and Fig 1c.

Fig 3 Show's the bottom elevation of Fig 1b and Fig 1c.

Fig 4 Show's the side elevation of the Brush and the diameter's.

Referring to Fig 1 it can be seen that the invention comprises of 3 main component's. Fig 1a the BRUSH and base 1 and 2. The base will be made of compressed polypropylene or nylon, with [1] the bristle's injected or stapled into the [2] base. The base has 4 molded locating and fixing lug's that are pressed through the 4 molded slotted hole's [7] in the brush drive unit Fig 1b.and FIG 2A page 2 of drawing's. The hole's [7] are tapered so the arrow head's [3] can pass through and clip into position on the drive unit. Centrifugal force will force the arrow head's outwards causing the lug's to tighten.

Fig 1b show's the side elevation of the brush drive unit [6] the flat top surface with [5] the internal surface recessed 20mm and a diameter of 50mm to accommodate different size tightening screw's or nut's of the vast range of whipper snippers.
Fig 1b the drive unit will be produced from hardened plastic material glass nylon or polypropylene to comply with ASA design regulations. The drive shaft [9] will consist of a 34mm circular body shaft and 33mm long, a centering 14mm hole [4] for easy assembling. The internal female 19mm square drive [10] that will be compatible to many square drive arbors fitted to "straight shaft whipper snippers". This female square drive will accept the square male drive [12] of the adapter unit Fig 1c.
The four braces [8] add strength supporting the top surface [6] and the shaft body [9].

Fig 1c show's the brush drive unit adapter. [13] the 6 lug drive will fit into the body of most bent shaft "whipper snippers" [11] the 11mm hole will centralize the adapter on the shaft, by installing this adapter it will convert the hexagonal drive to a square drive and be able to install the universal brush drive unit Fig 1b by sliding the female [10] square internal drive over the male [12] of the adapter as previously explained. When the installer has assembled these two parts they notice that the shaft of the "whipper snipper" is to short or is below [5] the internal surface. The drive shaft [9] has three perforated or cut lines marked at 5mm spacing's [14] a total of 15mm can be removed to lower the brush drive unit onto the brush adapter Fig 1c. By doing this most all "whipper snippers" can accept this brush. The original securing screw or nut can then be inserted into the void area [15] and tightened securing both drive unit 1b and adapter 1c.
The brush head 1a by aligning the four lug's [3] with the four slot's [7] in the brush drive unit the brush can be pressed into position. The assembly completed the unit is ready to operate.

Fig 1. Page 1. 1a, 1b and 1c are the three main components of the invention.
Fig 2. Page 2. 2a and 2b are the top elevation of Fig 1b and 1c.
Fig 3. Page 3. 3a and 3b are the bottom elevation of Fig 1b and 1c.
Fig 4. Page 4. 4a, 4b and 4c are the side elevations of three different diameters of brushes 100mm 125mm 150mm.

1. Bristles.
2. Brush Base.
3 Clipping lug's.
4. 14mm locating holes.
5. Internal surface for nut.
6. Top surface of brush drive unit.
7. Tapered locating holes.
8. Four bracing fin's.
9. Outer shaft drive unit.
10. 19mm square female internal drive.
11. 11mm locating hole for adapter.
12. 19mm square male drive.
13. Six lug drive of adapter.
14. Cut lines to shorten the brush drive unit.
15. Void area to house securing screw's or nut's

The BRUSH to fit onto WHIPPER SNIPPERS as herein described with reference to the accompanying drawings are the property of.

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Signed
Signed

DATED THIS 1st day of December 1998.

20. March 1999

SUPPLEMENT

Referring to page 1, the side elevation fig 1b the brush drive unit. The upper surface (6) applied to this upper surface there will be velcro hook attached with water proof adhesive and backed with compound rubber.

Circular nylon brushes, scouring pad material, cotton and sanding disc,s can then be applied onto this surface.

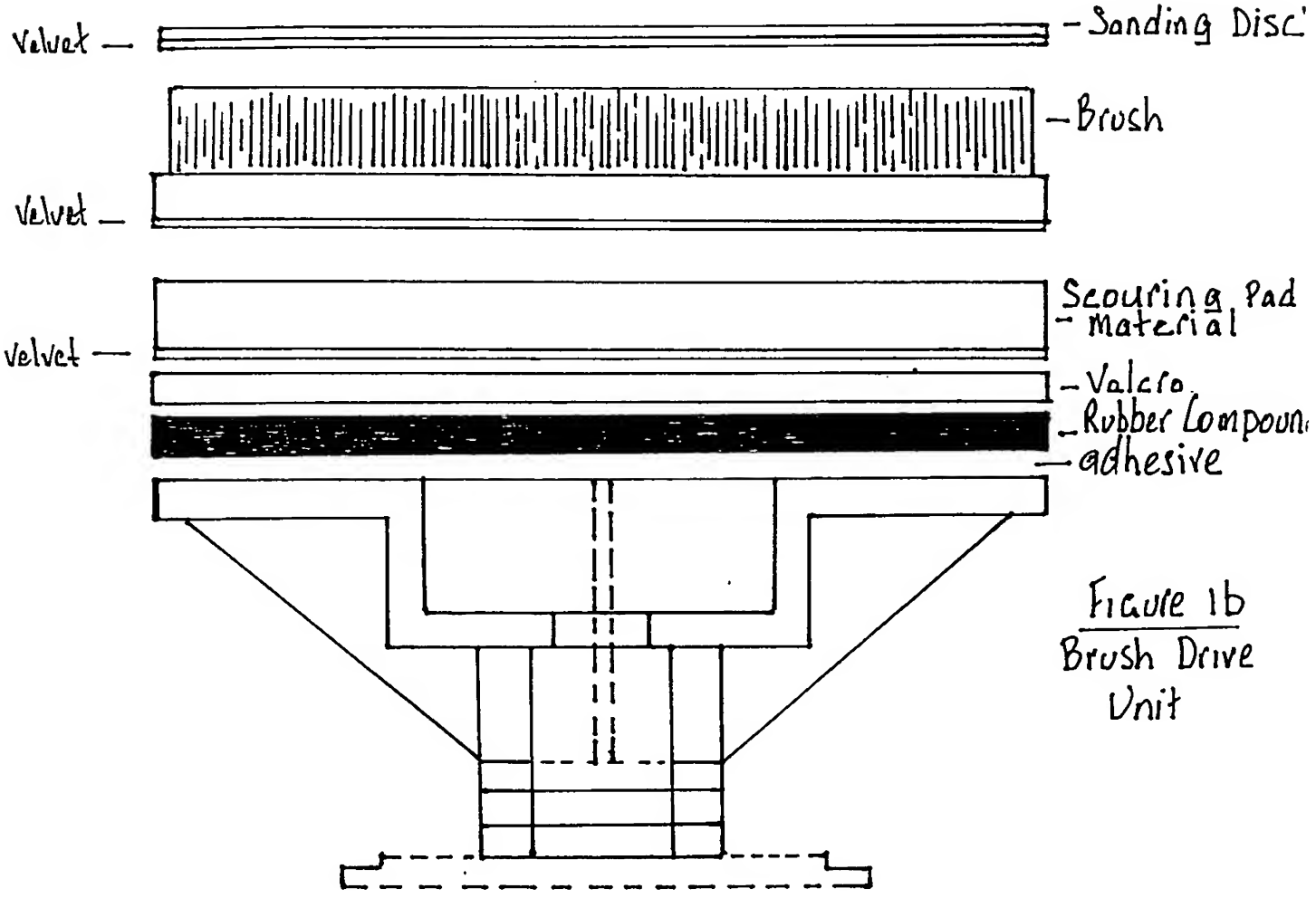


Figure 1b
Brush Drive Unit

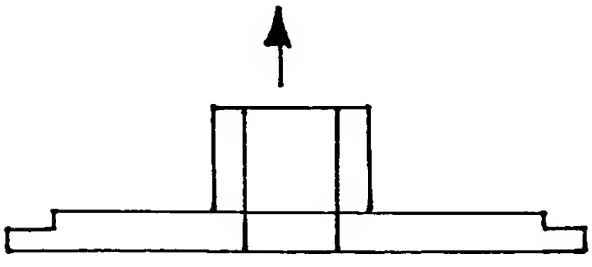
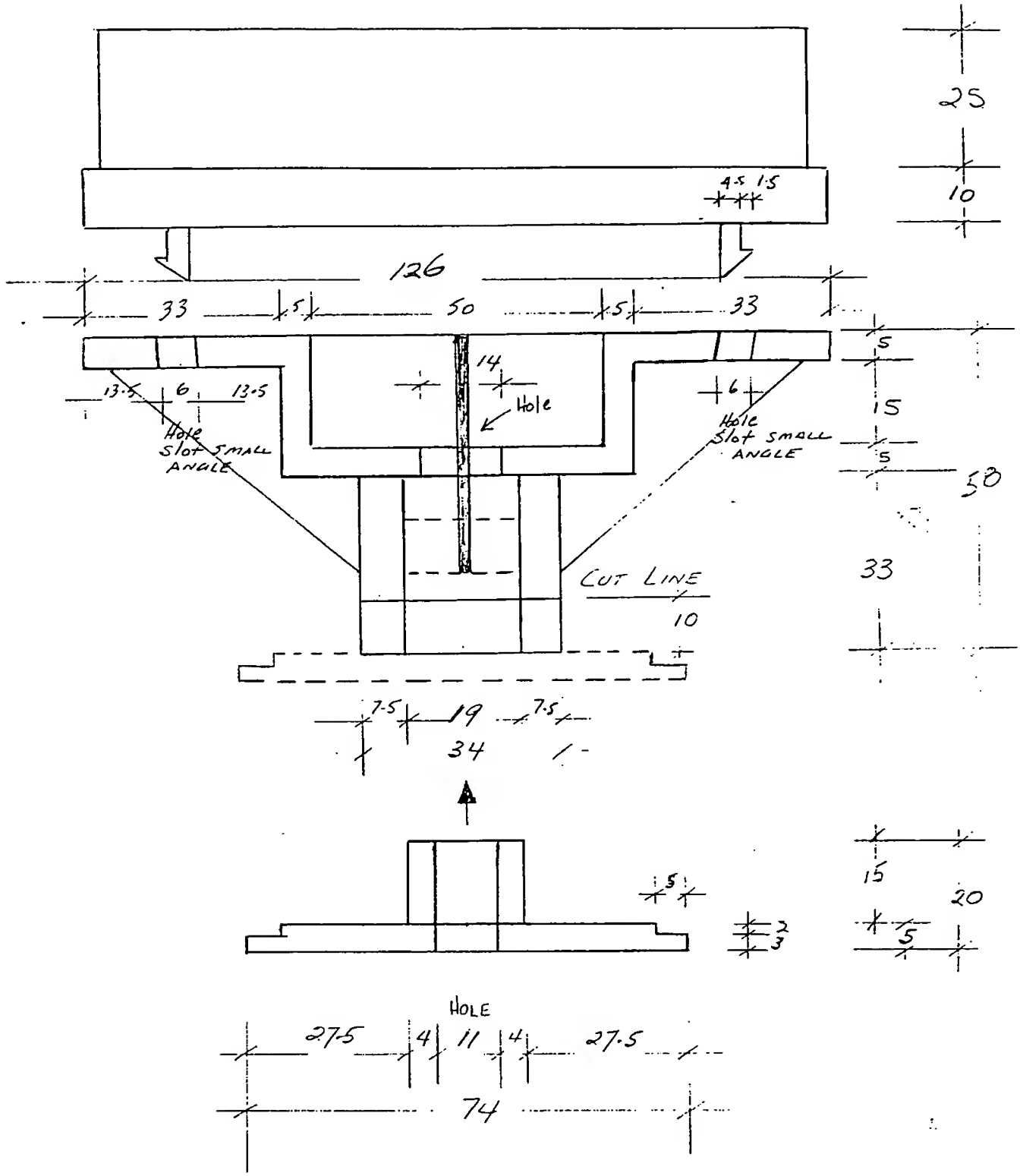


Figure 1c
Brush Drive Unit Adapter

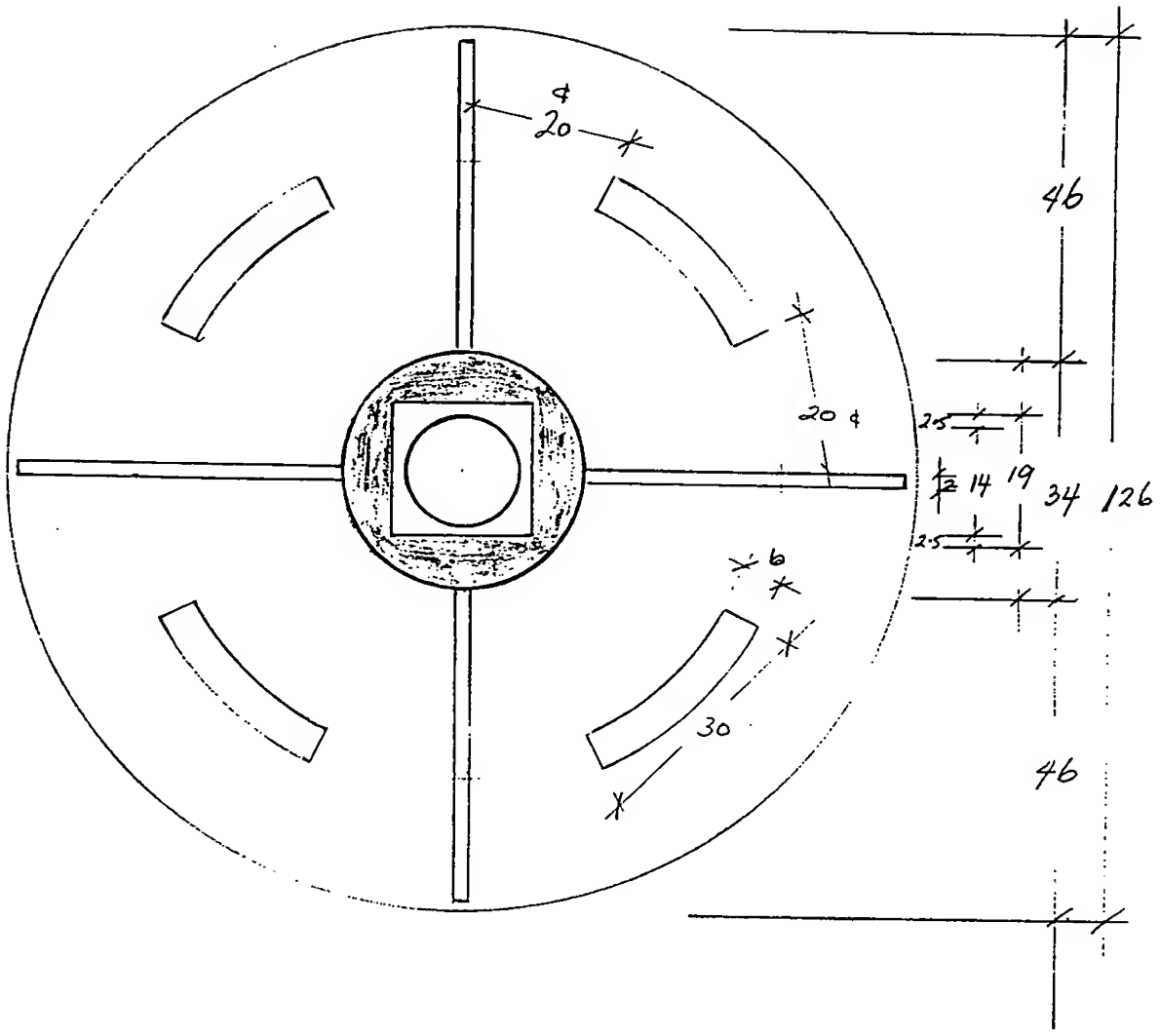
SCALE 1:100

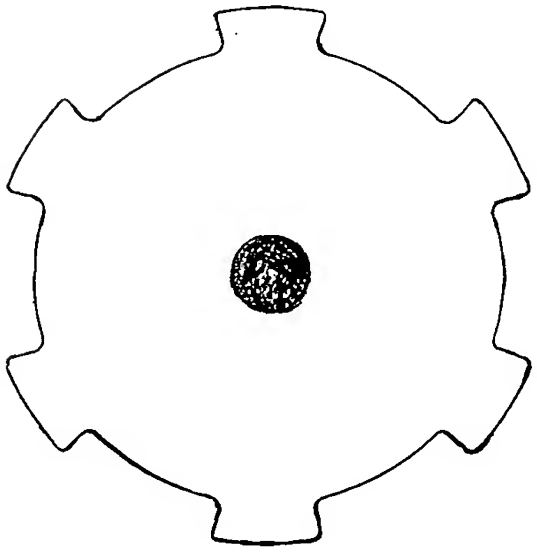
SIDE ELEVATION



SCALE 1:100

BOTTOM ELEVATION





SCALE 1:100

SIDE ELEVATION

FIGURE 1.

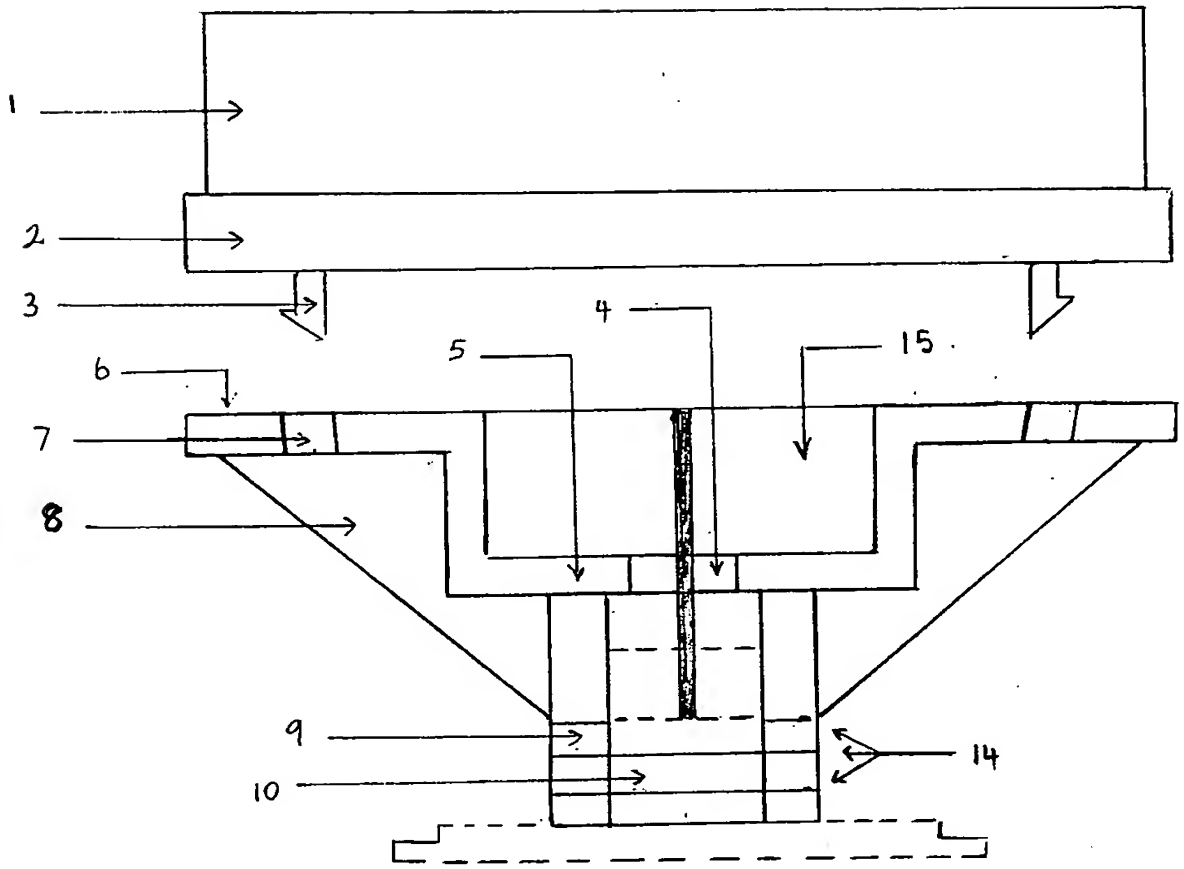


Figure 1a
Brush and Base

Figure 1b
Brush Drive Unit

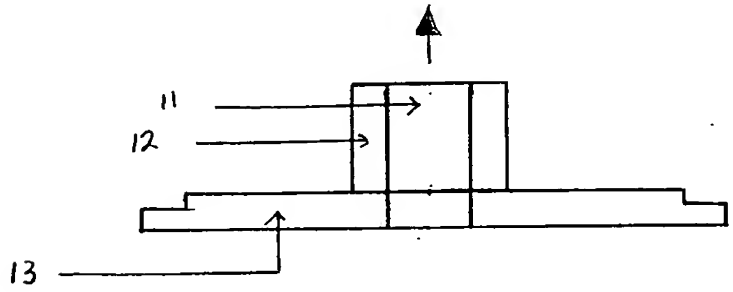


Figure 1c
Brush Drive Unit adaptor

LE 1:100

TOP ELEVATION

FIGURE 2

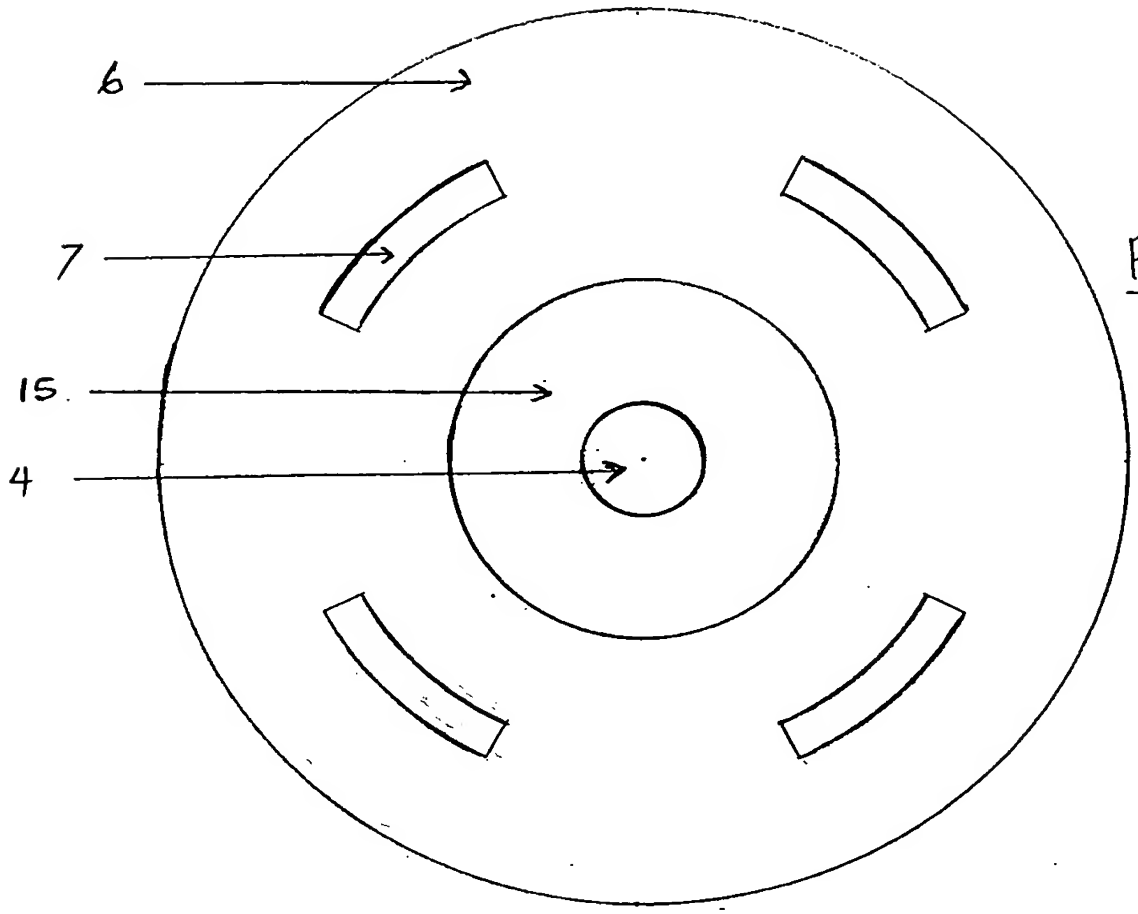


FIGURE 2a

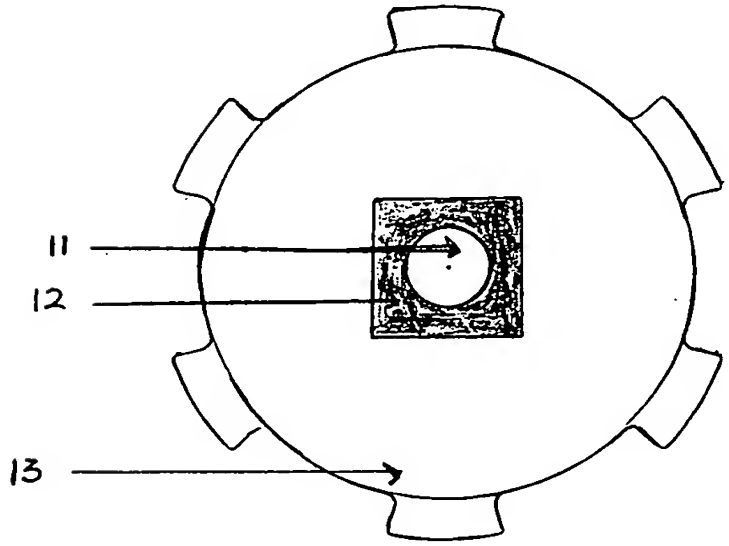


FIGURE 2b

ALE 1:100

Bottom Elevation

Figure 3

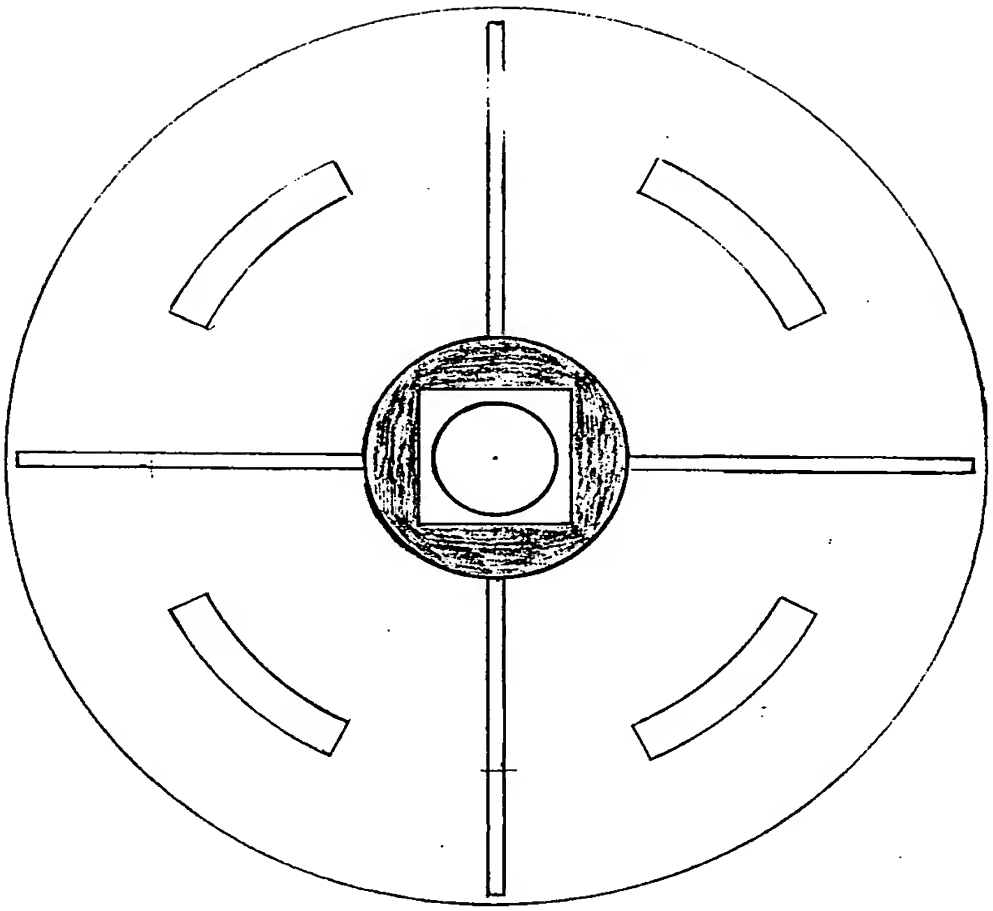


Figure 3a

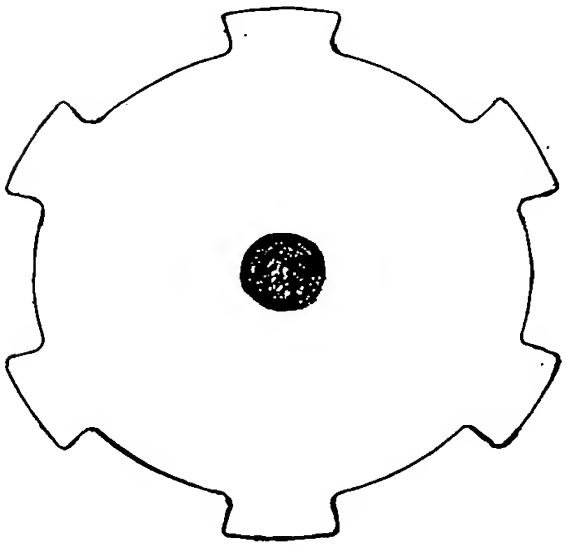


figure 3b

SCALE 1:100

SIDE ELEVATION OF BIUSH

Figure 4

100 mm
4" Inch

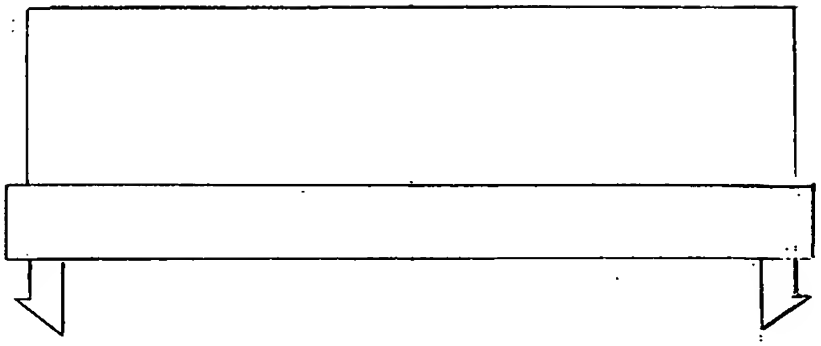


figure 4a

125 mm
5" Inch

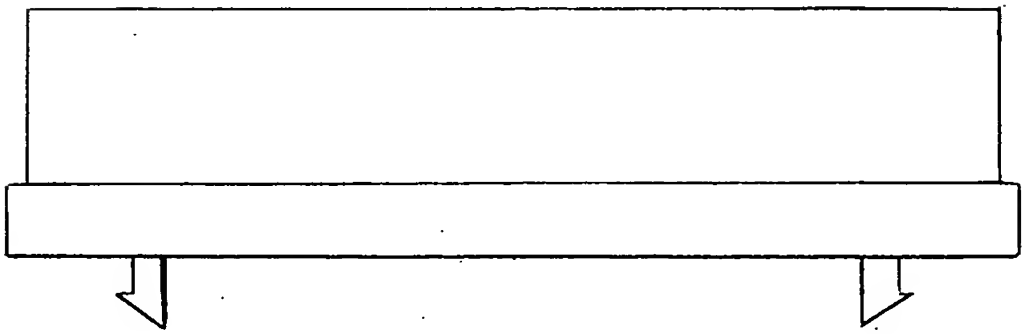


figure 4b

150 mm
6" Inch

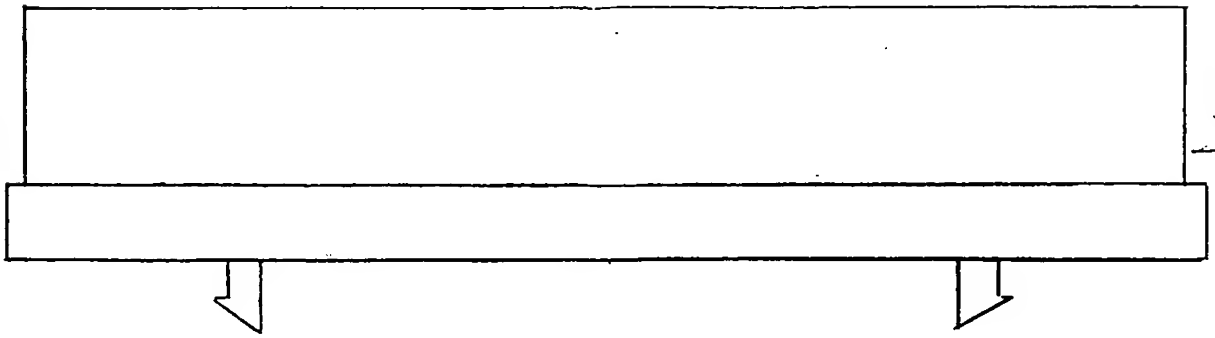


figure 4